MULTIMEDIA UNIVERSITY

STUDENT IDENTIFICATION NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2022/2023 (TERM ID 2210)

BAC3614 – ACCOUNTING INFORMATION SYSTEMS II

(All sections / groups)

8TH FEBRUARY 2023
9.00 a.m. – 12.00 p.m.
(3 Hours)

INSTRUCTIONS TO STUDENTS

1. This question paper consists of 3 pages (excluding cover page) with 4 questions only.
2. Answer **ALL** questions. All questions carry equal marks and the distribution of the marks for each question is given.
3. Please write all your answers in the Answer Booklet provided.

QUESTION 1

Bitara Financial Berhad is a local bank in Malaysia that has been operating for the past 40 years. The bank has branches throughout Malaysia with a total of 30,000 employees. In the early 2002, the bank introduced an online platform that assist its customers to perform online transactions with various features. Last week, the Information Technology (IT) team discovered there was two successful attempts in hacking into their customer database and this was done internally. After having a meeting with the IT team, the Chief Internal Officer (CIO) decided not to alarm the top management regarding these attempts.

Required:

(a) Criticise with **TWO (2)** reasons why the CIO's decision is NOT a wise decision. **(4 marks)**

(b) Determine **THREE (3)** reasons that lead the CIO refusing to alarm the top management on these hacking incidents. **(9 marks)**

(c) Determine **THREE (3)** approaches that the company can implement to prevent these hacking incidents from happening again in the future. **(9 marks)**

(d) Differentiate between hacking and hijacking techniques. **(3 marks)**

(Total: 25 marks)

QUESTION 2

Deko Indah is an interior design firm located in Kuala Lumpur. Clients of the firm comprises private homeowners and various organisations. Basic consulting fees are charged based on the size of the property (square feet), project category, as well as the estimated days-worked. The table below shows the current interior design projects undertaken by Deko Indah.

Project owner	Contact number	Location	Basic consulting fees per square feet	Estimated completion date	Project category
Mariam Ahmad	012423942	Cyberjaya	RM200	30/06/2023	Residential
John Wong	011940324	Sepang	RM500	31/01/2024	Commercial
Arun Kumar	013943824	Cheras	RM500	30/04/2023	Commercial
Betty Lim	017237492	Kuala Lumpur	RM200	31/12/2022	Residential
Munir Lattah	014680234	Kuala Lumpur	RM300	30/03/2023	Industrial

Required:

(a) Organise the above data into relational tables to store the firms' project data. Create suitable primary keys for each table. **(10 marks)**

Continued...

(b) Identify **THREE (3)** other project data that the firm should collect. **(3 marks)**

(c) Currently there are five interior consultants hired by the firm. For each project, one of the consultants is appointed as the project manager. Depending on the project size, one to three other consultants will be appointed as the team members. The following data show the teams involved in two of the projects.

Project owner : Mariam Ahmad
Project manager : Didi Kee
Team member(s) : Muna Atan
Jojo Bunn

Project owner : John Wong
Project manager : Muna Atan
Team member(s) : Lili Putt

Construct Consultant Table and Consultant-Project Table that would show the assignment of consultants to the two projects above. These tables must be consistent with the tables created in part (a) above. Create appropriate primary keys for the tables.

(6 marks)

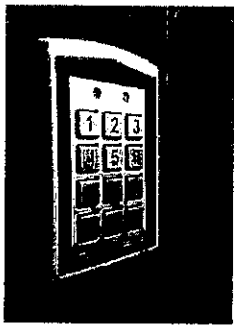
(d) Determine **TWO (2)** benefits of a database system to Deko Indah. **(6 marks)**

(Total: 25 marks)

QUESTION 3

Jerami Bhd is one of the top choices of local company that sells branded handbag since 2010. The company imported all its inventories directly from Italy, Australia, United States of America and United Kingdom. Since they operate their business 100% online, the company invested in three big warehouses in Shah Alam to place all their inventories.

These warehouses could place 10,000 handbags at any point of time. As the inventories are high valued items, it has been the company practice that all warehouses are always locked and the only way to access the warehouse is through the passcode panel (in the picture).



Only selected personnel are given the passcode to the enter the warehouses and access the inventories. Yesterday, the warehouse manager had to investigate their first case of a missing handbag.

Required:

(a) Criticise with **TWO (2)** reasons why the current practice of storing handbags should NOT be retained. **(4 marks)**

Continued...

(b) Supposed the top management decide to change the passcode panel to a biometric device. Determine **TWO (2)** reasons this biometric device will be a better choice of security. **(6 marks)**

(c) Ascertain **THREE (3)** factors Jerami Bhd will have to consider before they proceed to change the passcode panel to biometric device. **(9 marks)**

(d) Identify **TWO (2)** challenge once the biometric device is installed. **(6 marks)**

(Total: 25 marks)

QUESTION 4

The following scenarios occurred at MNO Sdn Bhd:

(i) The production manager uses his daughter's birthdate as his password.
(ii) The company's e-commerce website was attacked, causing many transactions failed to be processed. It took almost one hour for the company to determine who to contact to initiate response actions.
(iii) An employee saves all clients' contact information in his smartphone, together with copies of sales contracts.
(iv) Supplies are purchased from various suppliers and the purchasing officer has the authority to determine the vendor from where the purchases are to be made.
(v) The company disburse all payroll from the company's main checking account.
(vi) The company has launched a new product that is uniquely different from any of the competitors. The manufacture of the product requires many unique components and complex manufacturing processes.
(vii) The parts number in used in the manufacturing process need to be entered manually by the production operators.

Required:

(a) Identify the control implication of the scenarios listed above. Justify one control procedure that will prevent the implication. Organise your answer in a tabular format, as below:

No.	Implication	Control procedure
(i)		

(21 marks)

(b) Create **ONE (1)** password that is difficult to guess but is easy to remember (without writing them down). Defend your password. **(4 marks)**

(Total: 25 marks)

End of paper.